Make-Ready Midpoint Review: Data Reporting Technical Conference

June 12, 2023

Agenda

- Welcome and Midpoint Review Overview by Department of Public Service (DPS) Staff
- Presentation by Industry Expert: Atlas Public Policy
- Presentation by the Joint Utilities of New York
- Facilitated Question & Answer
- Next Steps

- Please remain muted
- Use chat or raise hand functions to ask questions during Q&A
- Questions received through the chat during the presentations will be addressed first
- Presentation materials will be posted on DMM
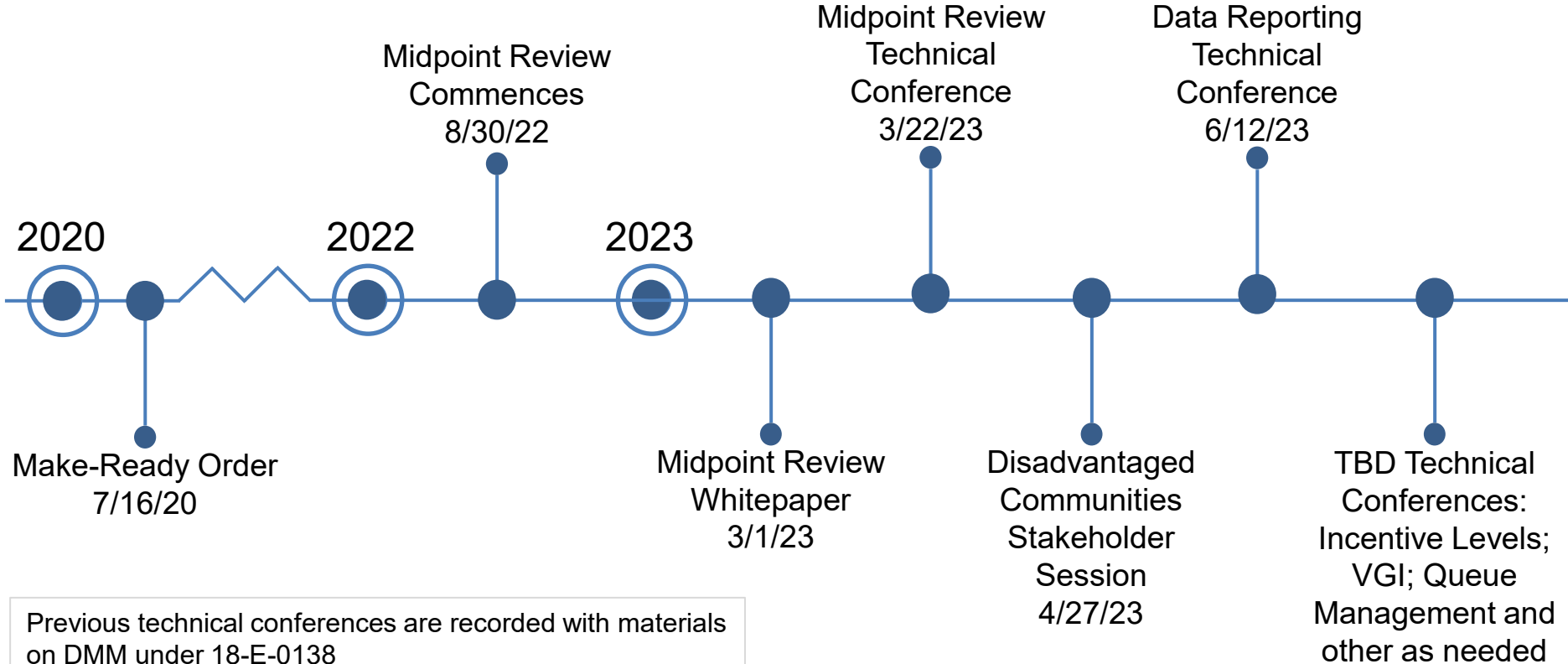- This session is being recorded

Make-Ready Data Reporting

- Make-Ready Order authorized $701 million budget; primarily funding electrical infrastructure needed to install charging
- Midpoint Review Whitepaper recommends $407M incremental budget increase to address revised charging forecast
  - Whitepaper also recommends a dedicated technical conference to address issues with data reporting
- Data reporting is filed in annual reports by utilities for chargers installed through the program

EV Make-Ready Program Eligible Costs
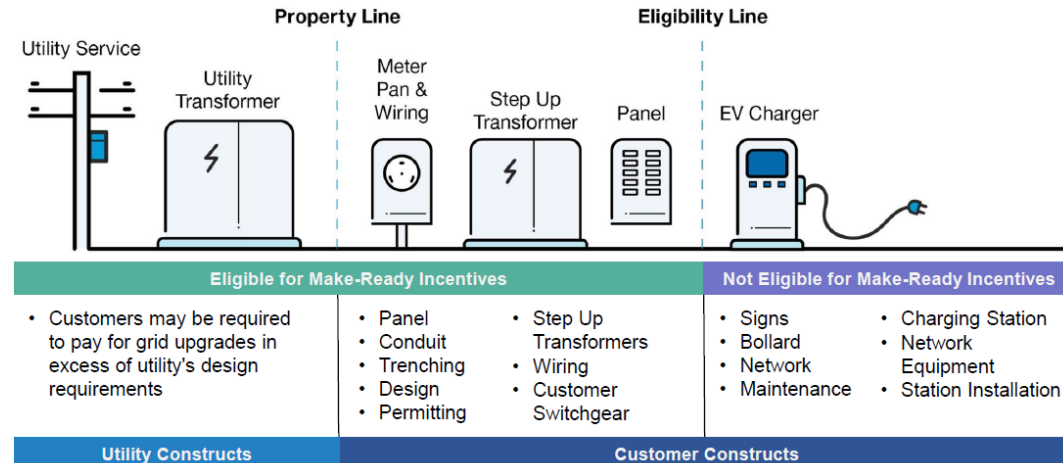
Source: Joint Utilities of New York, November 18, 2022, EV Make-Ready Program Midpoint Review Technical Conference (image modified by DPS Staff)

Make-Ready Midpoint Review Timeline

Midpoint Review Commences 8/30/22

Midpoint Review Technical Conference 3/22/23

Data Reporting Technical Conference 6/12/23

2020

2022

2023

Make-Ready Order 7/16/20

Midpoint Review Whitepaper 3/1/23

Disadvantaged Communities Stakeholder Session 4/27/23

TBD Technical Conferences: Incentive Levels; VGI; Queue Management and other as needed

Previous technical conferences are recorded with materials on DMM under 18-E-0138

Presentation: Atlas Public Policy

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Presentation: Joint Utilities of New York

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of Public Service

Presentation
Q & A

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Facilitated Q&A Regarding Data Reporting Requirements

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Make Ready Order Data Reporting

- Annual data reporting for L2 and DCFC

- Four reporting categories:
  1. Program Participation
  2. Utility system and Billing Information
  3. Plug and Session Charging Data
  4. Financial Information

Reporting Entity: JU

Reporting Entity: Developer or site owner's responsibility

Staff also considering additional data needs

Questions for Discussion:

- Any clarifications on data reporting categories?

- What are the challenges with the reporting requirements?

- Opportunities to use data? (i.e. market transformation analytics)

- How to best leverage overlapping data reporting requirements from the NEVI program?

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Program Participation

Purpose: Needed to gauge success of the program
Reporting entity: Joint Utilities

MR Order Data Reporting Requirement	Equivalent NEVI Requirement?
Percent of service applications that have matured into operating stations	No
Number of station owners participating	No
Number of sites for which incentives were issued	No
Number of plugs installed	No
Infrastructure costs (broken out by customer and company infrastructure, including separating make-ready from new business)	No

For discussion: *Clarifying questions, opportunities, challenges, and NEVI crossover*

Note: Currently discussing topic(s) outlined in green

Utility system and Billing Information

Purpose: Gauge program's impact on the grid
Reporting entity: Joint Utilities

MR Order Data Reporting Requirement (to be reported per station)	Equivalent NEVI Requirement?
15-minute interval data	No
Load profiles for the stations for the top ten demand days of each year	No
Utility bills. Utility bills are to be differentiated by delivery service-related costs and energy-related costs	No

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Plug and Session Charging Data

Purpose: Gauge overall use of charging stations
Reporting entity: Developer or Site Owner

MR Order Data Reporting Requirement	Equivalent NEVI Requirement?
Number of sessions daily	No
Start and stop times of each charge	Yes
Amount of time each vehicle is plugged in per session	Yes
Peak kW per charging session	Yes
kWh per charging session	Yes
Plug outage information, including the number and duration of outages; differentiated by expected outages (for maintenance) and unexpected outages.	Yes

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Plug Outage Calculation

- Stakeholder comments identify the need to standardize the calculation for plug outages in the Make-Ready data reporting

- Formula Legend:
  - μ = Port uptime percentage
  - 525,600 = Minutes in a year
  - T_outage = Total minutes of outage in previous year
  - T_excluded = Outage from issues outside of operator's control (e.g. utility outage, natural disaster or vandalism).
    - Also includes hours outside of the identified hours of operation of the charging station

NEVI Outage Formula:

$$\mu = ((525{,}600 - (T\_outage - T\_excluded))/525{,}600) \times 100$$ where: μ = port uptime percentage

Additional Outage Formula (proposed by Staff):

$$\mu = ((525{,}600 - T\_outage)/525{,}600) \times 100$$ where: μ = port uptime percentage

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Seeking Stakeholder Feedback on Outage Formulas

Financial Information

Purpose: Needed to determine if the incentive amounts remain appropriate

Reporting entity: Developer or Site Owner

MR Order Data Reporting Requirement (to be reported per station)	Equivalent NEVI Requirement?
Fee structure (structure of fee to the end-use customer, i.e. cost per minute, cost per kWh, cost per session and whether the station owner is providing charging for free)	No
Charging revenues derived	No
Operating costs, which should include energy-related costs and non-energy-related costs separately identified.	Yes

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Additional Data Reporting Under Consideration

Purpose: Consistency with data reporting under CLCPA
Reporting entity: Joint Utilities

Potential MR Reporting Requirements	NEVI Requirements
Whether site is in a geographic DAC	Similar
What level of incentive site received (50%, 75%, 90% or 100%)	Similar
Total incentive cost paid per site	No
Annual aggregated station kWh per site	No
Annual aggregated percent utilization per site	No

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Data Reporting Stakeholder Questions

- Additional barriers to obtaining data (including network and data fees as well as customer confidentiality issues)?
- Role of pre-qualified vendor lists to address barriers to data collection?
- Are there challenges or opportunities specific to data reporting that we have not covered yet?

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Closing

Next Steps

- Potential Upcoming Technical Conferences and Sessions:
    - Midpoint Review Budget and Plug Goals
    - Workforce Development
    - VGI
    - Queue Management
- Contact Staff at EVSE@dps.ny.gov

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